

VERSION DESCRIPTION DOCUMENT FOR THE ACQUISITION MANAGEMENT SYSTEM (AMS)

Release 7.1.2

PrISMS Contract

February 2000



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
ACQUISITION MANAGEMENT SYSTEM (AMS)
RELEASE 7.1.2**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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Approved by

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
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1.0 INTRODUCTION

This Version Description Document (VDD) describes the changes and installation procedures for Release 7.1.2 of the Acquisition Management System (AMS). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

1.1 IDENTIFICATION OF THE RELEASE

This software release is identified as AMS, Release 7.1.2 and has an effective release date of February 1, 2000.

1.2 PURPOSE OF THE RELEASE

This release implements modifications necessitated by the following Change Control Requests (CCR):

RC 1243 – Change the Online AMS Metrics Report to run in Batch.

1.3 SCOPE

This VDD provides the functional and technical user of AMS with information regarding the contents, status, and structure of Release 7.1.2, including the following:

- Changes implemented since Release 7.1.1.
- Validation procedures to ensure the reliability of release changes.
- References to other documentation affected by this release.
- Detailed software installation instructions.

No waivers are associated with this release.

1.4 CONTACT POINTS

Sustaining Engineering for AMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Identify yourself as SESAAS & AMS.)

Telephone: (256) 544-6673

Email: charmaine.absher@msfc.nasa.gov

FAX: (256) 544-1836

2.0 FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT and SYSERR changes related to this release. Appendix E contains sample JCL that will be needed for release installation.

2.2 FUNCTIONAL INTERFACES

This release has no functional impact on interfaces with any SESAAS (Sustaining Engineering Support for Agencywide Administrative Systems) application.

2.3 CRITICAL ISSUES

There are no critical issues associated with this release.

2.4 AFFECTED DOCUMENTS

No documents are affected by this release.

2.5 APPLICATION SYSTEM ADMINISTRATION

There are application system administration changes for this release. Please refer to Appendix D, Section 7.0 for Release-Specific Procedures.

3.0 TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

There are no technical systems interface issues with this release.

3.2 DATA DICTIONARY CHANGES

There are no data dictionary changes in this release.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

3.4.2 Inventory of Objects

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for AMS Software Release 7.1.2 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

4.0 KNOWN AND OPEN PROBLEMS

There are no known or open problems related to this release.

APPENDIX A

ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

AMS	Acquisition Management System
CC	Consolidation Center
CCR	Change Control Request
DR	Discrepancy Report
FAX	Electronic Facsimile Transmission
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
RC	Requirements Change
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
VDD	Version Description Document

APPENDIX B

GLOSSARY

GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of a release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

APPENDIX C
FUNCTIONAL CHANGE VALIDATION
PROCEDURES

FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release.

Section	CCR	Title
1.0	1243	Change the Online AMS Metrics Report to run in Batch.

Details for the validation procedures are listed below.

1. Number 1243

Change the Online AMS Metrics Report to run in Batch.

Description of Change

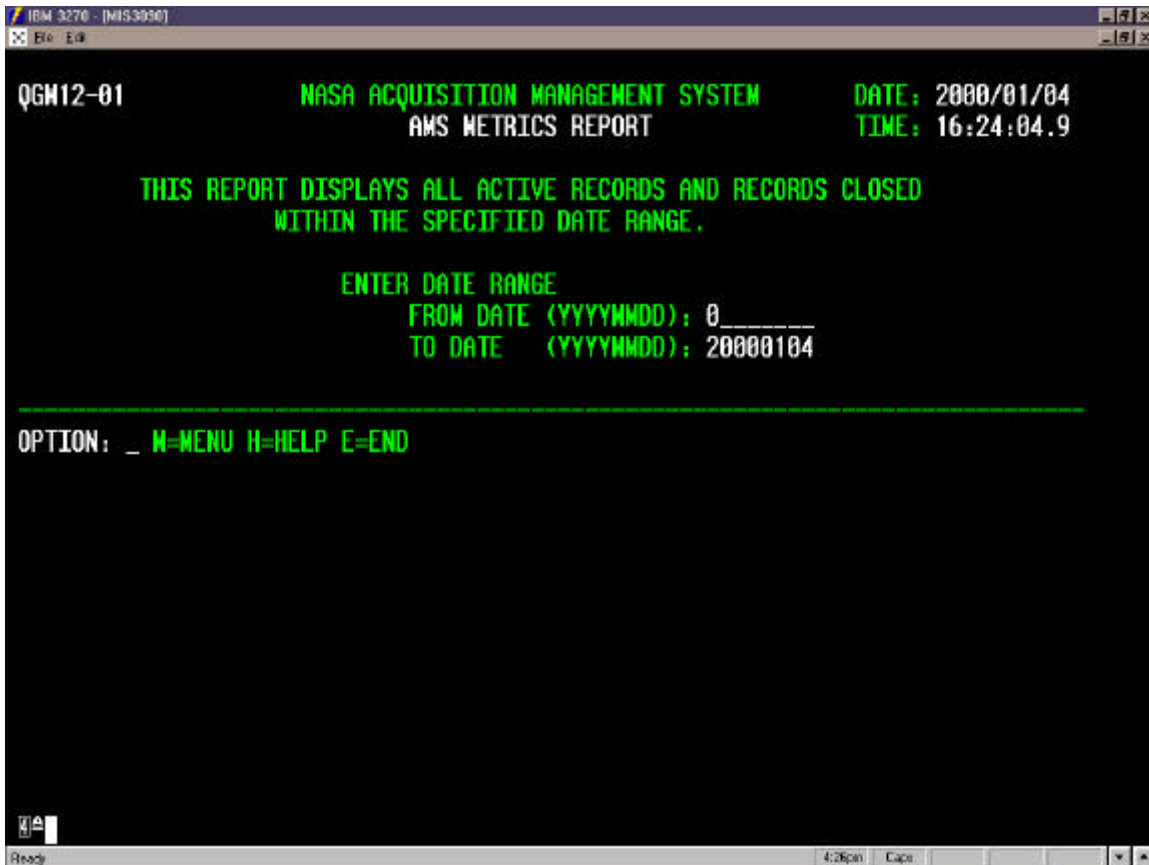
Due to the large volume of data in the AMS database at some centers, this module needs to run in Batch.

Functional Impact

The System Administration Menu was modified to submit the online AMS Metrics Report from the AMS 7.1.1 release in batch. The batch job will write the metrics report to a dataset. Then, an email will automatically be generated and sent to Charmaine Absher at Marshall Space Flight Center with the report results. Each center's AMS primary functional representative will receive an email of the report as well. **Refer to Appendix D - 7.0 Release-Specific Procedures for instructions to create the JCL and dataset required for this function. This installation step must be completed before proceeding with the validation procedures.**

Validation Procedures

- Verify the version number on the Banner Screen has been changed to 7.1.2.
- Run the AMS Metrics Report.
 - ♦ From the Main Menu, choose option 8 – Tables.
 - ♦ From the Tables System Menu, choose option 9 – System Administration.
 - ♦ From the System Administration Menu, choose option 4 – AMS Metrics Report.



- ♦ Enter a FROM DATE and a TO DATE. Press Enter.
- ♦ The AMS Batch Submission Password Screen below will be displayed.

The screenshot shows a terminal window titled "IBM 3270 - [MIS3090]". The main display area has a black background with green text. At the top left is "QPS01-01". At the top center is "NASA ACQUISITION MANAGEMENT SYSTEM" followed by "BATCH SUBMISSION PASSWORD". At the top right is "DATE: 2000/01/12" and "TIME: 14:31". The main body of the screen contains the following prompts and instructions: "ENTER YOUR NATURAL SECURITY PASSWORD: █", "IS THE JOB TO BE RUN DURING THE DAY? _", "DAY JOBS MUST EXECUTE IN 10 MINUTES OR LESS.", "NIGHT JOBS CAN EXECUTE LONGER THAN 10 MINUTES AND INCLUDE ALL UPDATE JOBS.", "ENTER PRINTER NAME: _____", and "IF NO PRINTER NAME IS ENTERED, PRINTER WILL DEFAULT TO THE STANDARD PRINTER". At the bottom, there is a dashed line followed by "OPTION: _ M=MENU E=END". The bottom status bar shows "Ready", "2:30pm", and "Caps".

```
QPS01-01          NASA ACQUISITION MANAGEMENT SYSTEM          DATE: 2000/01/12
                   BATCH SUBMISSION PASSWORD                   TIME: 14:31

ENTER YOUR NATURAL SECURITY PASSWORD: █

IS THE JOB TO BE RUN DURING THE DAY? _

DAY JOBS MUST EXECUTE IN 10 MINUTES OR LESS.
NIGHT JOBS CAN EXECUTE LONGER THAN 10 MINUTES AND
INCLUDE ALL UPDATE JOBS.

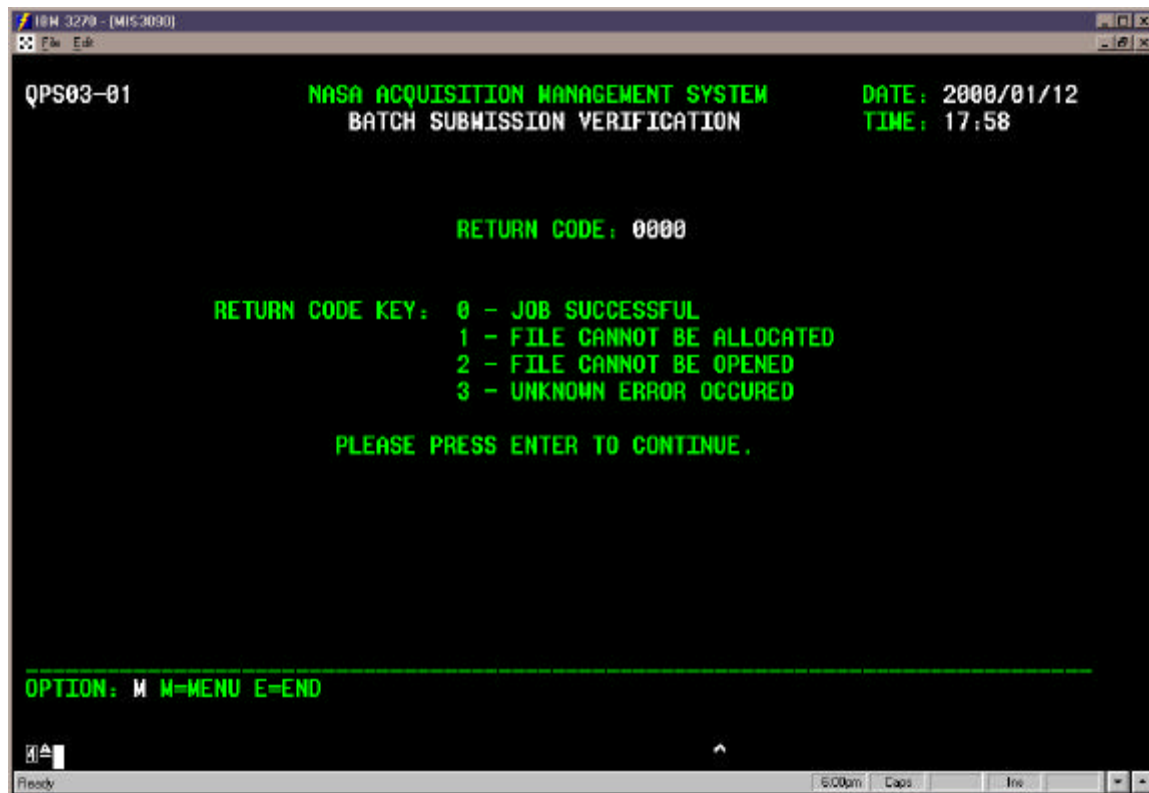
ENTER PRINTER NAME: _____

IF NO PRINTER NAME IS ENTERED, PRINTER
WILL DEFAULT TO THE STANDARD PRINTER

-----
OPTION: _ M=MENU E=END
```

- ♦ Enter your password and run options. Press Enter.

- ♦ The AMS Batch Submission Verification Screen below will be displayed.
- ♦ Verify that the Return Code was 0000. Press Enter.



- ◆ When the batch job runs successfully, an email containing the results of the report should be generated and sent to the AMS primary functional representative specified in the JCL email dataset . An example is as follows:

From: MSBCA@naprod.nacc.nasa.gov[SMTP:MSBCA@naprod.nacc.nasa.gov]
Sent: Thursday, January 27, 2000 7:21 PM
To: CHARMAINE.ABSHER@MSFC.NASA.GOV
Cc: LYNN.DRAPPIER@MSFC.NASA.GOV
Subject: AMS METRICS REPORT FOR MSFC

QGM13-02 NASA ACQUISITION MANAGEMENT SYSTEM DATE: 2000/01/27
 AMS METRICS REPORT TIME: 19:21
 - TOTAL NUMBER OF ACTIVE RECORDS AND RECORDS CLOSED
 FOR DATES 20000101 THRU 20000127

```
=====
PURCHASE REQUESTS      158,137
CONTRACTS               18,206
PURCHASE ORDERS        12,404
GRANTS                 10,125
BID LISTS               1,521
DELIVERY ORDERS         29
=====
TOTAL                   200,422
```

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
QGM00	Session Initialization	PGM
QGM12	AMS Metrics Report Batch Submission	PGM
QGM13	AMS Metrics Report	PGM
QPS01	AMS Batch Submission Module	PGM

APPENDIX D
INSTALLATION INSTRUCTIONS
FOR AMS SOFTWARE RELEASE 7.1.2

INSTALLATION INSTRUCTIONS AND CHECKLIST FOR AMS SOFTWARE RELEASE 7.1.2

Introduction

Release information:

System Name: AMS
Release Number: 7.1.2
Release Date: February 1, 2000
Effective Date: February 1, 2000

The following datasets are located on the transient storage DASD volumes under the following data sets names:

- xxMOV.AMS.PROD.R712.R0200.DOC
- xxMOV.AMS.PROD.R712.R0200.SRC

Where "xx" is replaced by the appropriate NASA Center designation.

DF - DFRC
GS - GSFC
HQ - HQ
J5 - JSC
LA - LaRC
LE - GRC (Glenn)
KS - KSC
MS - MSFC
SS - SSC

In case of installation problems, contact the NACC Technical Services Center (Identify yourself as SESAAS & AMS.)

Telephone: (256) 544-6673
Email: charmaine.absher@msfc.nasa.gov
FAX: (256) 544-1836

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in Section 9.0 to assist in tracking the installation of this release.

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Release-Specific Procedures
- 8.0 Local JCL Mods
- 9.0 Installation Checklist

1.0 Back Up Existing Data

Back up all AMS files as a precautionary measure prior to installation.

2.0 Copy Source/Object Code

2.1 Copy Source Code

Load the AMS library from dataset xxMOV.AMS.PROD.R712.R0200.SRC. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library LAMSPROD, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by type	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	0
MAPS	0
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	0
PROGRAMS	4
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	4

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules:

1. QGM13	AMS Metrics Report	Program
----------	--------------------	---------

Changed Modules:

1. QGM00	Session Initialization	Program
2. QGM12	AMS Metrics Report Batch Submission	Program
3. QPS01	AMS Batch Submission Module	Program

Deleted Modules:

There are no modules deleted in this release.

2.3 Copy Object Modules

Not applicable with this release.

3.0 Pre-Predict Data Conversion

Not applicable with this release.

4.0 Install Predict

Not applicable with this release.

5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules in the AMS or other named library. It is not necessary to catalog the Global Data Area. The SESAAS Batch standard parameters should be used for the compile.

After all objects are compiled, the AMS application will run under the SESAAS On-line standard parameter.

6.0 Post-Predict Data Conversion

Not applicable with this release.

7.0 Release-Specific Procedures

****NOTE****

QPS01, the AMS core batch submission module, was modified for the new Table JCL entry for QGM13 to allow for multiple steps within the jobstream. If you are using the center unique batch submission module, QPS02, review the changes in QPS01 to determine if any changes may be needed to QPS02 for your site.

Two steps must be performed to set up the batch metrics report for execution. These are as follows:

1. The JCL will need to be created in order to submit the AMS Metrics batch report from AMS. The AMS System Administrator will need to add the JCL to Table 98 from the Tables System Menu. The procedures to update Table 98 (QGA98T) are as follows:
 - From the Main Menu, choose option 8 - Tables.
 - From the Tables System Menu below, type "2" for Query/Update Table in the Option field.
 - Type "98" in the Table Number field. Press Enter.

```
IBM 3270 - (MIS3090)
NASA ACQUISITION MANAGEMENT SYSTEM
TABLES SYSTEM MENU
DATE: 2000/01/04
TIME: 17:51

1 - SELECT A TABLE FROM A LIST
2 - QUERY/UPDATE TABLE
3 - PR MILESTONE TABLE MENU
4 - FACS EDIT TABLES MENU
5 - BATCH - PRINT A TABLE
6 - BATCH - PRINT ALL TABLES
7 - BATCH - PRINT SIC CODE TABLE IN ALPHA SEQUENCE
8 - BATCH - PRINT SIC CODE BY LAST FOUR DIGITS
9 - SYSTEM ADMINISTRATION
M - MENU
E - END
H - HELP

ENTER OPTION: _
TABLE NUMBER: __

DIRECT COMMAND: _____
```

- Type "QGM13" in the Key field. Press Enter.

```

IBM 3270 - [MIS3030]
QTU97-01      NASA ACQUISITION MANAGEMENT SYSTEM      DATE: 2000/01/26
               LISTING OF TABLE QGA98T                TIME: 11:51
TOTAL ENTRIES: 133  TABLE NAME: (98) BATCH JOB ENTRY - PROGRAM
KEY              RESULT
=====
NAGR01PA001      /** FACS LEAD TIME REPORT
QAR01  001       /**      FOR THE CIC COMPARISON REPORT
QAU01  001       /**      FOR REPLACE CIC DATA
QBB13  001       /**      PROGRAM JCL FOR THE BID-LIST-FILE PURGE
QBL07  001       /**      PROGRAM JCL FOR BID LIST AND LABEL PRINT
QBS07  001       /**      PROGRAM JCL FOR BID LIST HISTORY REPORT
QBV07  001       /**      PROGRAM JCL FOR VENDOR FILE LABOR-SURPLU
QBV09  001       /**      PROGRAM JCL FOR THE VENDOR-FILE PURGE PR
QBV13  001       /**      PROGRAM JCL FOR THE OUTDATED FORM 129 PR
QBV44  001       /**      PROGRAM JCL FOR THE OUTDATED FORM 129 PR
QGM13  001       /**      PROGRAM JCL FOR BATCH AMS METRICS REPORT
QGR07  001       /**      INPUT HISTORY FACS DATA FOR VIEWING FACS
QGR14  001       /**STEP01 EXEC N01Z

SELECT KEY OR ADD NEW KEY.  KEY: _____

OPTION:  __ M=MENU H=HELP E=END  START AT: _____

```

- Type the first page of the JCL example substituting the dataset name your site will be using with the dataset name MSIRM.AMS0DD.METRICS.REPORT and the name of the Clist/Proc your site will be using with the Clist name "N01Z". (**The JCL will create the dataset specified on this page. Therefore, it will not have to be created beforehand.**)
- When finished, press Enter.

```

IBM 3270 - [MIS3090]
PAGE 1
KEY: QGM13
NASA ACQUISITION MANAGEMENT SYSTEM
UPDATE ENTRY IN TABLE QGA98T
DATE: 2000/01/26
TIME: 11:55
TABLE NAME: (98) BATCH JOB ENTRY - PROGRAM
LAST UPDATE: 20000126

CARDS

//*      PROGRAM JCL FOR BATCH AWS METRICS REPORT
//STEP01 EXEC PGM=IEFBR14
//CMMKF01 DD DSN=MSIRM.AMS0DD.METRICS.REPORT,
//        DISP=(MOD,DELETE),SPACE=(CYL,(1,1),RLSE)
//STEP02 EXEC N01Z
//CMPRT01 DD DSN=MSIRM.AMS0DD.METRICS.REPORT,
//        DISP=(NEW,CATLG,CATLG),UNIT=SYSDA,
//        SPACE=(CYL,(1,1),RLSE),
//        DCB=(RECFM=FB,LRECL=80,BLKSIZE=8000)
//CMPRINT DD SYSOUT=*
//CMSYNIN DD *
LOGON *LIBRARY-ID
//STEP03 EXEC PGM=IKJEFT01,REGION=6M,DYNAMNBR=50

OPTION:  __ M=MENU H=HELP E=END D=DELETE
  
```

- The message "Record Updated" will be displayed.
- Type "P2" in the Option field.
- Press Enter.

- Type the second page of the JCL example substituting the dataset name your site will be using with the dataset name MSIRM.AMS0DD.QGM13.EMAIL. **(This dataset will have to be created before running the metrics report. The information to create it will follow later.)**
- When finished, press Enter.

```

IBM 3270 - [MIS3030]
PAGE 2
KEY: QGM13

NASA ACQUISITION MANAGEMENT SYSTEM
UPDATE ENTRY IN TABLE QGA98T
TABLE NAME: (98) BATCH JOB ENTRY - PROGRAM
DATE: 2000/01/26
TIME: 11:58
LAST UPDATE: 20000126

CARDS

//SYSHELP DD DSN=SYS1.HELP,DISP=SHR
//SYSLBC DD DSN=SYS1.BROADCAST,DISP=SHR
//ISPLOG DD SYSOUT=*
//SYSPRINT DD SYSOUT=*
//SYSTEM DD SYSOUT=*
//SYSTSPRT DD SYSOUT=*
//SYSPROC DD DSN=SYS2.UTILPROC(SNTPBTCH),DISP=SHR
//SYSIN DD DUMMY
//SYSTSIN DD DSN=MSIRM.AMS0DD.QGM13.EMAIL,DISP=SHR
/*

OPTION: __ M=MENU H=HELP E=END D=DELETE(DELETES PAGE 2 ONLY)
  
```

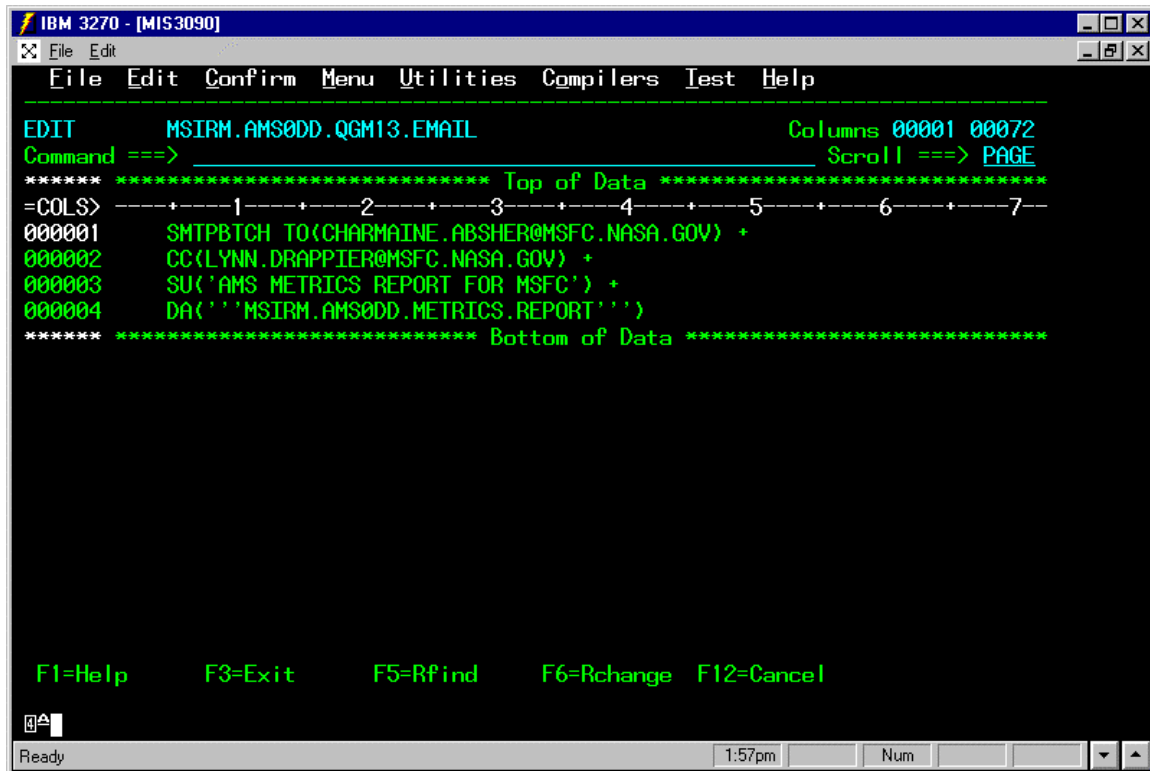
- The message “Record Updated” will be displayed.
- Type “M” to return to the menu in the Option field.
- Press Enter.

A full screen listing of the JCL for QGM13 is listed in Appendix E – Sample Job Control Language.

2. Create a dataset for your site using the dataset name specified for the email dataset in the step above. The size attributes are as follows:

- RECFM=FB
- LRECL=80
- BLKSIZE=8000

When the dataset has been created, edit the dataset to enter the lines as they appear below. Start each line in the 5th column. On the first line, use the 'TO' email address provided for Charmaine Absher. For the 'CC' (carbon copy) line, use the email address of your AMS primary functional representative. For the 'SU' (subject) line, enter the abbreviation for your center where MSFC appears. On the last line for 'DA' (text body of the email), use the name of the report dataset from the first page of the QGM13 JCL.



```
IBM 3270 - [MIS3090]
File Edit Confirm Menu Utilities Compilers Test Help
-----
EDIT      MSIRM.AMS0DD.QGM13.EMAIL      Columns 00001 00072
Command ==>                               Scroll ==> PAGE
***** ***** Top of Data *****
=====1=====2=====3=====4=====5=====6=====7=====
=COLS> 000001  SMTPBTC TO(CHARMAINE.ABSHER@MSFC.NASA.GOV) +
000002  CC(LYNN.DRAPPIER@MSFC.NASA.GOV) +
000003  SU('AMS METRICS REPORT FOR MSFC') +
000004  DA(''MSIRM.AMS0DD.METRICS.REPORT'')
***** ***** Bottom of Data *****

F1=Help      F3=Exit      F5=Rfind      F6=Rchange  F12=Cancel

Ready 1:57pm Num
```

8.0 Local JCL Mods

There are no local JCL mods with this release.

9.0 Installation Checklist

- 1.0 Back Up Existing Data
- 2.1 Copy Source Code
- 5.0 Catalog Source Code
- 7.0 Release-Specific Procedures

APPENDIX E
SAMPLE JOB CONTROL LANGUAGE FOR
RELEASE 7.1.2

SAMPLE JOB CONTROL LANGUAGE FOR RELEASE 7.1.2

SAMPLE JCL IS LISTED FOR QGM13 IN TABLE 98 (QGA98T) IN RELEASE 7.1.2.

```
***** TOP OF DATA *****
//*          PROGRAM JCL FOR BATCH AMS METRICS REPORT
//STEP01     EXEC PGM=IEFBR14
//CMWKF01    DD DSN=MSIRM.AMS0DD.METRICS.REPORT
//           DISP=(MOD,DELETE),SPACE=CYL,(1,1),RLSE)
//STEP02     EXEC N01Z
//CMPRT01    DD DSN=MSIRM.AMS0DD.METRICS.REPORT,
//           DISP=(NEW,CATLG,CATLG),UNIT=SYSDA,
//           SPACE=(CYL,(1,1),RLSE),
//           DCB=(RECFM=FB,LRECL=80,BLKSIZE=8000)
//CMPRINT    DD SYSOUT=*
//CMSYNIN    DD *
LOGON *LIBRARY-ID
//STEP03     EXEC PGM=IKJEFT01,REGION=6M,DYNAMNBR=50
//SYSHelp    DD DSN=SYS1.HELP,DISP=SHR
//SYSLBC     DD DSN=SYS1.BROADCAST,DISP=SHR
//ISPLOG     DD SYSOUT=*
//SYSPRINT   DD SYSOUT=*
//SYSTEM     DD SYSOUT=*
//SYSTSPRT   DD SYSOUT=*
//SYSPROC    DD DSN=SYS2.UTILPROC(SMTPBTCH),DISP=SHR
//SYSIN      DD DUMMY
//SYSTSIN    DD DSN=MSIRM.AMS0DD.QGM13.EMAIL,DISP=SHR
//*
***** BOTTOM OF DATA *****
```